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APPLICATION NO.	F	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/664,285	09/17/2003		David Harris	2314	4552
28004	7590	04/28/2005		EXAMINER	
SPRINT 6391 SPRIN	T DADEL	WAV	HELLNER, MARK		
KSOPHT01				ART UNIT	PAPER NUMBER
OVERLAN	OVERLAND PARK, KS 66251-2100			3663	
				DATE MAILED: 0409000	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)					
	10/664,285	HARRIS, DAVID					
Office Action Summary	Examiner	Art Unit					
	Mark Heliner	3663					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
Status .							
1) Responsive to communication(s) filed on							
2a) ☐ This action is FINAL. 2b) ☑ This	This action is FINAL. 2b)⊠ This action is non-final.						
•—							
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Disposition of Claims							
4) Claim(s) 1-20 is/are pending in the application.							
4a) Of the above claim(s) is/are withdraw	4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.	5) Claim(s) is/are allowed.						
	☑ Claim(s) <u>1-4,7,8,10-14,17,18 and 20</u> is/are rejected.						
	☐ Claim(s) <u>5,6,9,15,16 and 20</u> is/are objected to.						
8) Claim(s) are subject to restriction and/or	8) Claim(s) are subject to restriction and/or election requirement.						
Application Papers							
9) The specification is objected to by the Examiner.							
) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority under 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some col None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.							
Attachment(s)		·					
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948)	4) Interview Summary Paper No(s)/Mail Da						
Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date		atent Application (PTO-152)					

Application/Control Number: 10/684,285

Art Unit: 3663

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-4, 8, 10-14, 18 and 20 are rejected under 35 U.S.C. 102(b) as being anticipated by Yoshimura.

Yoshimura discloses an optical amplification system comprising: a span of dispersion compensating fiber (6) configured to carry optical signals; a temperature control system (10) positioned proximate to the span of dispersion compensating fiber and configured to control the environment surrounding the fiber to a table temperature.

Reduction of polarization mode dispersion fluctuation is reduced because the temperature of the fiber does not fluctuate.

The structure recited above reads on claim 1.

Claims 2 and 3 read on element (10) because figure 3 shows it in direct contact with the dispersion fiber.

Claim 4 is taught by figure 13.

Claim 8 is taught by column 1, lines 11 and 12.

Claim 10 is taught by elements (8) and (9).

Claims 11-14, 18 and 20 are taught by the structure applied to claims 1-4, 8 and

10.

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Art Unit: 3663

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 7 and 17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yoshimura.

The amplification system of Yoshimura was intended at the time of the present application for amplifying optical communication signals. A bit rate of 40 Gb/s was a notoriously well known rate for this type of signal.

Claims 5, 6, 9, 15, 16 and 19 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Any inquiry concerning this communication should be directed to Mark Hellner at telephone number 703 306 4155.

Mark Heliner

Primary Examiner -

AU 3663

Mark Hellier